

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

(1)

$$2 \overline{)15891}$$

(2)

$$7 \overline{)18424}$$

(3)

$$8 \overline{)99948}$$

(4)

$$3 \overline{)88441}$$

(5)

$$2 \overline{)62391}$$

(6)

$$7 \overline{)42394}$$

Steps: (1) Divide (2) Multiply (3) Subtract (4) Bring down the next number (5) Repeat if needed

Also see our Worksheets and Walkthroughs video: "Division - Traditional Long Division Algorithm Method Word Problems"

<p>(1)</p> $ \begin{array}{r} 7945 \text{ R1} \\ 2 \overline{) 15891} \\ \underline{- 14} \qquad (7 \times 2) \\ 18 \\ \underline{- 18} \qquad (9 \times 2) \\ 09 \\ \underline{- 8} \qquad (4 \times 2) \\ 11 \\ \underline{- 10} \qquad (5 \times 2) \\ \text{Remainder --> } 1 \end{array} $	<p>(2)</p> $ \begin{array}{r} 2632 \text{ R0} \\ 7 \overline{) 18424} \\ \underline{- 14} \qquad (2 \times 7) \\ 44 \\ \underline{- 42} \qquad (6 \times 7) \\ 22 \\ \underline{- 21} \qquad (3 \times 7) \\ 14 \\ \underline{- 14} \qquad (2 \times 7) \\ \text{Remainder --> } 0 \end{array} $	<p>(3)</p> $ \begin{array}{r} 12493 \text{ R4} \\ 8 \overline{) 99948} \\ \underline{- 8} \qquad (1 \times 8) \\ 19 \\ \underline{- 16} \qquad (2 \times 8) \\ 39 \\ \underline{- 32} \qquad (4 \times 8) \\ 74 \\ \underline{- 72} \qquad (9 \times 8) \\ 28 \\ \underline{- 24} \qquad (3 \times 8) \\ \text{Remainder --> } 4 \end{array} $
<p>(4)</p> $ \begin{array}{r} 29480 \text{ R1} \\ 3 \overline{) 88441} \\ \underline{- 6} \qquad (2 \times 3) \\ 28 \\ \underline{- 27} \qquad (9 \times 3) \\ 14 \\ \underline{- 12} \qquad (4 \times 3) \\ 24 \\ \underline{- 24} \qquad (8 \times 3) \\ 01 \\ \underline{- 0} \qquad (0 \times 3) \\ \text{Remainder --> } 1 \end{array} $	<p>(5)</p> $ \begin{array}{r} 31195 \text{ R1} \\ 2 \overline{) 62391} \\ \underline{- 6} \qquad (3 \times 2) \\ 02 \\ \underline{- 2} \qquad (1 \times 2) \\ 03 \\ \underline{- 2} \qquad (1 \times 2) \\ 19 \\ \underline{- 18} \qquad (9 \times 2) \\ 11 \\ \underline{- 10} \qquad (5 \times 2) \\ \text{Remainder --> } 1 \end{array} $	<p>(6)</p> $ \begin{array}{r} 6056 \text{ R2} \\ 7 \overline{) 42394} \\ \underline{- 42} \qquad (6 \times 7) \\ 03 \\ \underline{- 0} \qquad (0 \times 7) \\ 39 \\ \underline{- 35} \qquad (5 \times 7) \\ 44 \\ \underline{- 42} \qquad (6 \times 7) \\ \text{Remainder --> } 2 \end{array} $